

Converting Colors

XYZ(30.7434, 24.5139, 78.7126)

Have a look what the booklet for
XYZ(30.7434, 24.5139, 78.7126)
contains.

XYZ(30.7434, 24.5139, 78.7126)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.7434, 24.5139,
78.7126)**

Conversions

Conversions Part 1

Format	Color
Hex	837AE7
RGB	131, 122, 231
RGB Percent	51%, 48%, 91%
CMY	0.4863, 0.5216, 0.0941
CMYK	0.43, 0.47, 0.00, 0.09
HSL	245°, 69%, 69%
HSV	245°, 47%, 91%
XYZ	30.7434, 24.5139, 78.7126
YIQ	137.1170, -29.6250, 35.8070

Conversions

Conversions Part 2

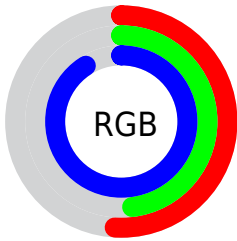
Format	Color
RYB	131, 122, 231
Decimal	8616679
CIELab	56.60, 30.30, -54.33
CIELCh	57, 62.204, 299.147
Yxy	24.5139, 0.2295, 0.1830
Android (android.graphics.Color)	4286806759 (0xFF837AE7)
YUV	137.1170, 46.2843, -5.3646
Hunter-Lab	49.5115, 24.1916, -59.6002

Details

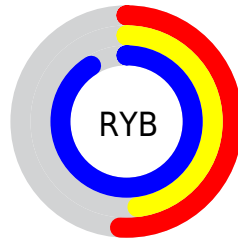
The XYZ color **30.7434, 24.5139, 78.7126** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **62.2128, 74.0867, 29.4342**, and the grayscale version is **23.6615, 24.8938, 27.1093**.

A 20% lighter version of the original color is **54.1190, 48.5713, 101.1306**, and **12.9444, 9.3161, 41.6734** is the 20% darker color. If you saturate the color by 10%, you get **25.2835, 17.9776, 77.7392**, and if you desaturate by 10%, it is **37.5506, 32.7459, 79.9433**.

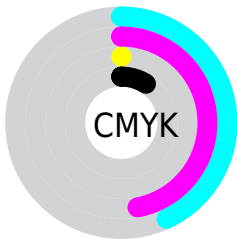
Distribution



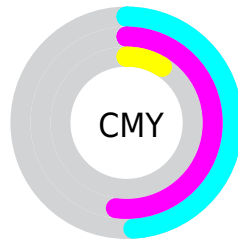
- Red (51%)
- Green (48%)
- Blue (91%)



- Red (51%)
- Yellow (48%)
- Blue (91%)



- Cyan (43%)
- Magenta (47%)
- Yellow (0%)
- Black (9%)



- Cyan (49%)
- Magenta (52%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7434, 24.5139, 78.7126 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 30.7434, 24.5139, 78.7126 by changing the saturation by 10% instead.

■ 30.7434, 24.5139,
78.7126

■ 30.7434, 24.5139,
78.7126

297.2025,
275.4084, 510.1754

■ 20.5544, 15.7153,
58.1396

■ 60.2144, 50.8675,
133.3492

■ 12.9093, 9.3229,
41.5055

■ 80.2272, 69.1913,
168.2499

■ 7.4427, 4.9524,
28.3916

■ 104.2453, 91.4589,
208.7635

■ 3.7892, 2.2194,
18.3794

132.6340,
118.0548, 255.3087

■ 1.5836, 0.7305,
11.0505

165.7587,
149.3632, 308.3039

■ 0.3817, 0.0000,
5.9862

203.9848,

■ 0.0000, 0.0000,

185.7687, 368.1678

2.7680

247.6776,
227.6557, 435.3188

■ 0.0000, 0.0000,
0.9775

■ 0.0000, 0.0000,
0.0000

■ 30.7434, 24.5139,
78.7126

■ 30.7434, 24.5139,
78.7126

■ 25.2835, 17.9776,
77.7392

■ 37.5506, 32.7459,
79.9433

■ 21.0781, 13.0163,
77.0032

■ 45.7835, 42.7781,
81.4457

■ 18.0276, 9.4971,
76.4848

■ 55.5182, 54.7095,
83.2357

■ 16.0155, 7.2644,
76.1599

■ 66.8243, 68.6310,
85.3269

■ 14.8964, 6.1179,
75.9975

■ 79.7672, 84.6278,
87.7324

■ 14.6940, 5.9088,
75.9678

■ 91.4239, 98.5496,
89.8052

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



23.0934, 24.5139, 89.5260



30.7434, 24.5139, 78.7126



37.3794, 24.5139, 52.7420

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



30.7434, 24.5139, 78.7126



31.1766, 24.5139, 5.0314



11.9851, 24.5139, 26.1032

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



30.7434, 24.5139, 78.7126



62.2128, 74.0867, 29.4342

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



13.2912, 24.5139, 11.0430



30.7434, 24.5139, 78.7126



23.5073, 24.5139, 3.3989

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



30.7434, 24.5139, 78.7126



37.6637, 24.5139, 11.6228



17.1664, 24.5139, 4.8391



13.1494, 24.5139, 51.1421

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.7434, 24.5139, 78.7126



39.7833, 24.5139, 34.9074



17.1664, 24.5139, 4.8391



12.1443, 24.5139, 19.8779

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



30.7444, 24.5148, 78.7132



73.6602, 73.6086, 104.9333



49.0345, 63.0758, 85.1922



15.1371, 14.9815, 22.3439



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.7444, 24.5148, 78.7132



31.5654, 22.4089, 97.2694



41.0953, 29.8508, 79.1976



13.6926, 13.9438, 18.1141



8.2790, 3.3339, 42.5903



0.6503, 0.2662, 3.1491

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



53.0996, 36.1824, 73.2914



62.9552, 38.8073, 88.9628



48.5017, 67.0184, 28.7925



14.9411, 14.5936, 17.8900



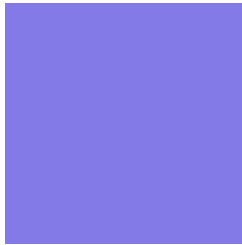
25.1540, 12.1958, 36.0355



1.8741, 0.9073, 2.7433

Previews

White Background



This preview shows how the XYZ color 30.7434, 24.5139, 78.7126 looks on a white background.

Color Contrast Check

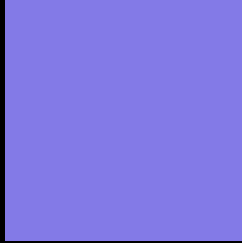
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 30.7434, 24.5139, 78.7126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

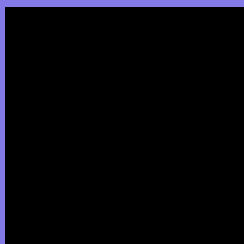
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.7434, 24.5139, 78.7126

Background



This preview shows how black text looks on a background with the XYZ color 30.7434, 24.5139, 78.7126.



This preview shows how white text looks on a background with the XYZ color 30.7434, 24.5139,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

30.7434, 24.5139, 78.7126

Protanopia

27.8748, 24.7847, 86.5339

Deuteranopia

25.6217, 24.8705, 76.8489



Tritanopia

21.6011, 24.4027, 33.2774

Trichromacy



Original Color

30.7434, 24.5139, 78.7126

Protanomaly

28.4847, 24.3775, 83.3248

Deuteranomaly

26.9083, 24.4868, 77.4369

Tritanomaly

24.1992, 23.9628, 47.0659

Monochromacy



Original Color

30.7434, 24.5139, 78.7126

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

25.5936, 24.5937, 41.9262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7434, 24.5139, 78.7126 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(131, 122, 231)` looks like.

```
.text, #text, p{  
    color:rgb(131, 122, 231)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(131, 122, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 122, 231) }
```

Border

The CSS property to change the border of an element to XYZ 30.7434, 24.5139, 78.7126 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(131, 122, 231) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(131, 122, 231) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(131, 122, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 122, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 122, 231);  
box-shadow:4px 4px 4px 4px rgb(131, 122,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7434, 24.5139, 78.7126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 122, 231) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(131,  
122, 231) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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